

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 79-146

SITE CLOSURE REQUIREMENTS FOR:

SOLANO COUNTY SANITARY LANDFILL, SOUTHAMPTON COMPANY,
CITIZENS SAVINGS AND LOAN ASSOCIATION, ALMA ASSOCIATE AND
ALMA ASSOCIATES DBA SOUTHAMPTON COMPANY
BENICIA, SOLANO COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, hereinafter referred to as the Board, finds that:

1. On June 17, 1975, the Board adopted Order No. 75-36 prescribing waste discharge requirements for the site which was formerly owned by Urban J. Braito.
2. The site is now owned by Southampton Company, Citizens Savings and Loan Association, Alma Associates and Alma Associates dba Southampton Company hereinafter referred to as the discharger. The site is located on about 250 acres of land northwest of Benicia on Columbus Parkway as shown on Attachment A, which is incorporated herein and made a part of this Order. The site consists of a north canyon and an east canyon.
3. The site was used until late 1978 for the disposal of Group 2 and 3 wastes. Tannery waste, a Group 1 waste, were placed in the north canyon; however, they have been removed from the site. The discharger proposes to utilize the east canyon for a park and subsequent to removing all waste from the north canyon, to construct homes in the north canyon.
4. The discharger submitted a preliminary Site Closure Plan Report on May 15, 1979. Subsequent to modifications in the planned future use of the site and in response to comments by the State Water Resources Control Board staff, the discharger submitted an Addendum to the Site Closure Plan Report on August 20, 1979, which, along with the preliminary report constitute the complete closure plan. These two reports adequately address all provisions of the Regional Board's Site Closure Policy, Resolution No. 77-7.
5. The Board, on April 8, 1975, adopted a Water Quality Control Plan for the San Francisco Bay Basin.
6. The beneficial uses of Carquinez Strait and San Pablo Bay are:
 - a. Recreation
 - b. Esthetic enjoyment
 - c. Navigation
 - d. Fish habitat and migration
 - e. Industrial water supply
7. Land within 1000 feet of the site is used for industrial and residential purposes and is traversed by a highway.

8. This Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
9. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.
10. This project involves the closure of a privately owned Class II-2 facility with minor alterations to the land. Consequently, this project will not have a significant effect on the environment based upon the exemption provided in Section 15104, Title 14, California Administrative Code.

IT IS HEREBY ORDERED that Southampton Company, Citizens Savings and Loan Association and Alma Associates, dba Southampton Company and any other person who owns this site shall comply with the following:

A. Site Closure Specifications

1. The solid waste disposal site shall be closed in accordance with the closure plan cited in Finding 4 of this Order. This plan includes specifications for final cover, compaction, grading, construction of surface drainage facilities and methane control.
2. No group 1 or additional group 2 wastes shall be stored or deposited on this site.

B. Leachate and Drainage Specifications

1. Leachate or ponded water containing leachate shall not be discharged from this site to waters of the State.
2. The completed disposal area shall be protected from any washout or erosion which could occur as a result of a flood having a predicted frequency of once in 100 years. All facilities shall be designed to convey maximum anticipated storm runoff and to withstand differential settlement.
3. The migration of methane gas from the disposal site shall be controlled as necessary to prevent the creation of any nuisance.
4. All necessary facilities shall be provided to protect useable ground waters from degradation as a result of leachate discharge or carbon dioxide migration.
5. Surface drainage from tributary areas and internal site drainage from surface or subsurface sources shall not contact or percolate through wastes deposited on the site.
6. Construction activities to comply with this order shall also comply with all Limitations and Provisions of Order No. 78-39 for erosion control.

C. Provisions

1. The discharger shall comply with all portions of this Order except Specifications A.1., B.2., B.3., and B.5. immediately upon adoption of this Order.
2. The discharger shall comply with the following time schedule to assure compliance with Specifications A.1., B.2., and B.5.

| <u>Task</u> | <u>Compliance Date</u> |
|--------------------|------------------------|
| Progress Report I | November 1, 1979 |
| Progress Report II | May 15, 1980 |
| Full Compliance | August 15, 1980 |

Progress Report I shall include a description of work to be completed during the following six months and erosion control facilities either constructed or proposed to assure compliance with Order No. 78-39.

3. The discharger shall submit a report by **November** 15, 1980, demonstrating compliance with Specification B.3. If compliance is not demonstrated then the report shall include a plan and time schedule for achieving compliance.
4. This Board considers the current property owners or any new owner to have a continuing responsibility for correcting any problems associated with this solid waste disposal site during subsequent use of the land for other purposes.
5. The discharger shall notify this Board in writing of any proposed change in ownership of this site. The current owners shall notify and provide a copy of this Order to any subsequent owner of this property or a portion thereof prior to sale.
6. Order No. 75-36 is hereby rescinded.
7. The discharger shall file with the Board any monitoring program which may be directed by the Executive Officer.

The discharger shall permit the Regional Board:

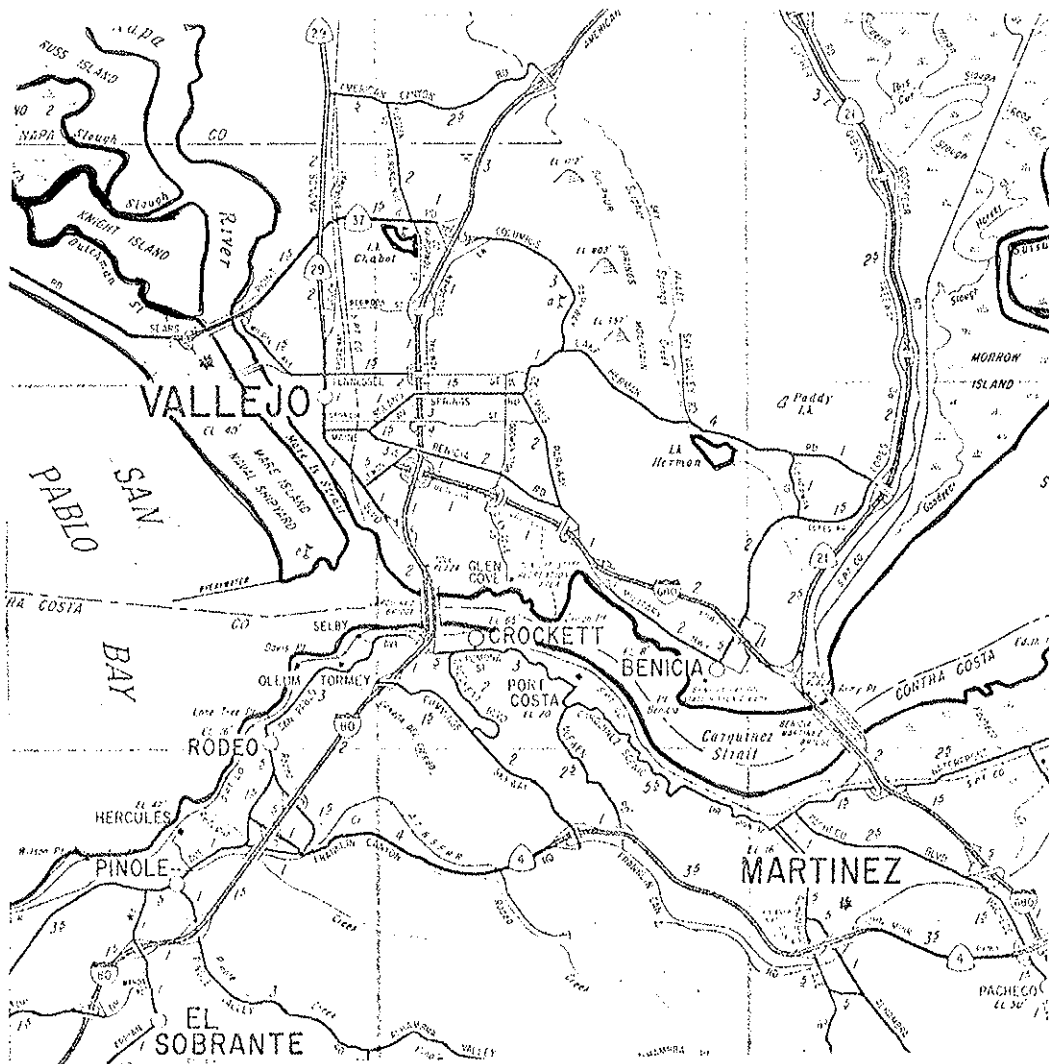
- a. Entry upon premises on which waste are located or in which any required records are kept,
- b. Access to copy any records required to be kept under terms and conditions of this Order,
- c. Inspection of monitoring equipment or records, and
- d. Sampling of any discharge.

I, Fred H. Dierker, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on October 16, 1979.

Attachment

A. Site Map

FRED H. DIERKER
Executive Officer



STATE OF CALIFORNIA
REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SOLANO COUNTY SANITARY LANDFILL

ATTACHMENT A

DRAWN BY: HJS DATE: 9/7/79 DRWG. NO.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM
FOR

Solano County Disposal Site, Southampton Company,
Citizens Savings and Loan Association, Alma
Associates, dba Southampton Co., Benicia, Solano County

ORDER NO. 76-146

CONSISTS OF

PART A

AND

PART B

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

TENTATIVE SELF-MONITORING PROGRAM

FOR

SOLANO COUNTY DISPOSAL SITE, SOUTHAMPTON COMPANY,
CITIZENS SAVINGS AND LOAN ASSOCIATION, ALMA ASSOCIATES
AND ALMA ASSOCIATES DBA SOUTHAMPTON COMPANY
BENICIA, SOLANO COUNTY

PART A

A. GENERAL

Reporting responsibilities of waste dischargers are specified in Sections 13225(a), 13267(b), 13268, 13383, and 13387(b) of the California Water Code and this Regional Board's Resolution No. 73-16.

The principal purposes of a monitoring program by a waste discharger, also referred to as self-monitoring program, are: (1) to document compliance with waste discharge requirements and prohibitions established by this Regional Board, (2) to facilitate self-policing by the waste discharger in the prevention and abatement of pollution arising from waste discharge, (3) to develop or assist in the development of effluent or other limitations, discharge prohibitions, national standards of performance, pretreatment and toxicity standards, and other standards, and (4) to prepare water and wastewater quality inventories.

B. SAMPLING AND ANALYTICAL METHODS

Sample collection, storage, and analyses shall be performed according to the latest edition of Standard Methods for the Examination of Water and Wastewater prepared and published jointly by the American Public Health Association, American Water Works Association, and Water Pollution Control Federation, or other methods approved and specified by the Executive Officer of this Regional Board including the methods specified in attached APPENDIX E.

Water and waste analyses shall be performed by a laboratory approved for these analyses by the State Department of Health or a laboratory approved by the Executive Officer. The director of the laboratory whose name appears on the certification shall supervise all analytical work in his laboratory and shall sign all reports of such work submitted to the Regional Board.

All monitoring instruments and equipment shall be properly calibrated and maintained to ensure accuracy of measurements.

C. DEFINITION OF TERMS

1. Grab sample means a sample collected at any time.

2. Standard Observations

a. Receiving Water - Periphery of Disposal Facilities

- (1) Discoloration and turbidity: description of color, source, and size of affected area.
- (2) Odor: presence or absence, characterization, source, and distance of travel.
- (3) Evidence of beneficial water use: presence of water-associated wildlife, fishermen, and other recreational activities in the vicinity of the sampling stations.
- (4) Hydrographic condition:
 - (a) Water and sampling depths.
- (5) Weather condition:
 - (a) Wind - direction and estimated velocity.
 - (b) Precipitation - total precipitation during the previous five days and on the day of observation.

b. Land Retention or Disposal Area

This applies both to liquid and solid wastes confined or unconfined.

- (1) Determine height of the freeboard at lowest point of dikes confining liquid wastes.
- (2) Evidence of leaching liquid from area of confinement and estimated size of affected area. (Show affected area on a sketch.)
- (3) Odor: presence or absence, characterization, source, and distance of travel.
- (4) Estimated number of waterfowl and other water-associated birds in the disposal area and vicinity.

D. SCHEDULE OF SAMPLING, ANALYSES, AND OBSERVATIONS

The discharger is required to perform observations, sampling, and analyses according to the schedule in Part B.

E. RECORDS TO BE MAINTAINED

1. Written records shall be maintained at the landfill site or office and shall be retained for a minimum of 3 years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge or when requested by the Regional Board. Such records shall show the following for each sample:
 - a. Identity of sampling and observation stations by number.
 - b. Date and time of sampling and/or observations.
 - c. Date and time that analyses are started and completed, and name of personnel performing the analyses.
 - d. Complete procedure used, including method of preserving sample and identity and volumes of reagents used. A reference to specific section of Standard Methods is satisfactory.
 - e. Calculations of results.
 - f. Results of analyses and/or observations.

F. REPORTS TO BE FILED WITH THE REGIONAL BOARD

1. Written reports shall be filed for each calendar month (unless specified otherwise in Part B) by the fifteenth day of the following month. In addition, an annual report shall be filed as indicated in F-1-f. The reports shall be comprised of the following:

- a. Letter of Transmittal:

A letter transmitting self-monitoring reports should accompany each report. Such a letter shall include a discussion of requirement violations found during the past month and actions taken or planned for correcting violations. If the discharger has previously submitted a detailed time schedule for correcting requirement violations, a reference to the correspondence transmitting such schedule will be satisfactory. The letter shall contain a statement by the official, under penalty of perjury, that to the best of the signer's knowledge the report is true and correct.

Monitoring reports shall be signed as follows:

- (1) In the case of corporations, by a principal executive officer at the level of vice-president or his duly authorized representative if such representative is responsible for the overall operation of the facility from which the discharge originates,
- (2) In the case of a partnership, by a general partner, or
- (3) In the case of a sole proprietorship, by the proprietor,
- (4) In the case of a municipal, State, or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.

b. Compliance Evaluation Summary

Each report shall be accompanied by a compliance evaluation summary sheet prepared by the discharger. The report format will be specified by the Regional Board.

c. Map or Aerial Photograph

A map or aerial photograph shall accompany the report showing sampling and observation station locations.

d. Results of Analyses and Observations

Tabulations of the results from each required analysis specified in Part B by date, time, type of sample, and station, signed by the laboratory director. The report format will be specified by the Regional Board.

e. List of Approved Analyses

- (1) Listing of analyses for which the discharger is approved by the State Department of Health.
- (2) List of analyses performed for the discharger by another approved laboratory (and copies of reports signed by the laboratory director of that laboratory shall also be submitted as part of the report).

f. Annual Reporting

By October 15 of each year, the discharger shall submit an annual report to the Regional Board covering the previous twelve months. The report shall contain:

1. Tabular and graphical summaries of the monitoring data obtained during the previous year.

2. Comprehensive discussion of the compliance record and the corrective actions taken or planned which may be needed to bring the discharger into full compliance with the waste discharge requirements.
3. Summary of ground water analyses indicating any change in the quality of the ground water.

PART B

DESCRIPTION OF SAMPLING STATIONS AND SCHEDULE OF SAMPLING, ANALYSIS AND OBSERVATIONS

I. ON-SITE OBSERVATIONS

| <u>Station</u> | <u>Description</u> |
|----------------|--|
| S-1 thru S-n | Square observation areas 500 feet on a side over the entire area where waste is deposited. |
| D-1 thru D-n | Each surface water drainage ditch surrounding the site. |

| <u>Station</u> | <u>Frequency of Observation</u> | <u>Observations</u> |
|----------------|--|---|
| All S Stations | Quarterly (March, June, September, December) | 1. Evidence of ponded water at any point on the disposal site. 2. Evidence of "day-lighted" refuse. 3. Evidence of odors presence or absence, the characteristics, intensity, source, distance of travel. 4. Evidence of leachate or water entering or leaving the disposal site, and estimated size of affected area. |
| All S Stations | September of each year | Evidence of differential settlement |
| All D Stations | September of each year | Evidence of erosion or Blockages |

II. SURFACE AND SUBSURFACE WATER AND LEACHATE MONITORING

| <u>Station</u> | <u>Description</u> |
|----------------|--|
| C-1 | Standpipe located on the cutoff collection trench in the East Canyon. |
| C-2 | Effluent from the 30 inch reinforced concrete pipe. |
| L-1 thru L-'n' | To be reported only when leachate leaves the site. At a point at which discharge occurs from the disposal area(s). Include a map indicating location(s) of discharge(s). |

| <u>Station</u> | <u>Description</u> |
|----------------|---|
| G-1 | Well located near old entrance to site. |
| GR-1 | Leachate well in the lower level of the East Canyon.* |
| GR-2 | Leachate well in the upper level of the East Canyon.* |

*These wells shall be drilled to the bottom of the deposited refuse and a map showing their location and depth shall be submitted with the first monitoring report.

| <u>Station</u> | <u>Sample Type & Frequency</u> | <u>Analysis</u> |
|---------------------|---|---|
| C-1, C-2 and G-1 | Grab sample quarterly* (March, June, September, December) | pH (electrometric units) Total dissolved solids (mg/l) TOC (mg/l) Nitrate nitrogen (mg/l) color (description) odors (description) dissolved sulfides (mg/l) |
| GR-1 & GR-2 | Quarterly (March, June, September, December) | depth to leachate (ft) |
| All L Stations | Grab sample daily during each discharge or occurrence | TOC (mg/l) Dissolved sulfide (mg/l) Odors (description) Color (description) pH (electrometric units) Total dissolved solids (mg/l) |

A report shall be made by telephone of any seepage or leachate leaving the property immediately upon detection. A written report shall be filed with this Board within five days and shall contain the following information: (1) Map showing location(s) of discharge(s) (2) flow rate; (3) Nature of effect (i.e. discoloration of receiving water, size of affected area); and (4) Corrective measures undertaken.

*This frequency and analysis required will be reviewed after one year.

III. METHANE MONITORING

| <u>Station</u> | <u>Description</u> |
|----------------|---|
| M-1 thru M-n | Methane monitoring wells located not more than 300 feet apart around the perimeter of the fill as shown on Figure 11 of the closure plan. |

| <u>Station</u> | <u>Frequency</u> | <u>Analysis</u> |
|----------------|-------------------------------------|--|
| All M Stations | Semi annually (March, September) | Presence of methane gas and quantity (%) if found to be present. |

IV. All observations and analysis shall be reported yearly in the annual report required pursuant to Part A, Section F.1.f. This shall be substituted for monthly reports pursuant to Part A, Section F.1.

I, Fred H. Dierker, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in ~~this Regional Board's~~ Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No.
2. Is effective on the date shown below.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.

FRED H. DIERKER
Executive Officer

Effective Date 15 September 1980